

(314)

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet
Second and Part Bill

Item No:	116	Second and Part Bill							
Item Name:	Providing and laying Cinder concrete in cement 1:15 (1 cement: 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications.Second Floor								
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMA RKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
	Second Floor								
		2.00	6.00			3.20	0.30	11.52	✓
		1.00	6.20			4.30	0.30	8.00	
Total Qty Work Done								19.52	
Qty Payable in this bill								19.52	Cum

[Signature]
Contractor Representative


Consultant Representative

[Signature]
Assistant Engineer
RR Nagara Division (Project) 6/5

[Signature]
Asst. Executive Engineer
RR Nagara Division (Project)

413

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

Second and Part Bill

Item No:

117

Providing and laying Cinder concrete in cement 1:15 (1 cement: 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications. Third Floor

CHAINAGE

Land Mark

NO

L

B

B1

Avg B

D

QTY

REMA
RKS

Third Floor

2.00

6.00

3.20

0.30

11.52

1.00

6.20

4.30

0.30

8.96

Total Qty Work Done

19.52

Qty Payable in this bill

19.52

Cum

Contractor Representative

Consultant Representative

Assistant Engineer

RR Nagara Division (Project)

Asst.Executive Engineer

RR Nagara Division (Project)

SB 19.60

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet
Second and Part Bill

Item No:

118

Item Name:

Providing INTEGRAL CRYSTALLINE Waterproofing treatment to the sunken portion of toilets.
Using Crystalline Slurry of approved make @ 1.40 kg per SQM in two coats (0.7 Kg per coat) confirming to ASTM S 1202 & DINV 18998 standards. Second Floor and Third Floor

CHAINAGE	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMA RKS
Land Mark								
Second Floor								
Flooring	4	1.450				1.600	9.28	
Beam side	8	1.450				0.300	3.48	
Beam side	8	1.600				0.300	3.84	
Beam side	8	1.450				0.300	3.48	
Beam side	8.0	1.200				0.300	2.88	
Flooring	4	1.20				1.450	6.96	
Flooring-General Toilet	4	1.50				1.450	8.70	
Flooring-General Toilet	4	1.50				1.450	8.70	
Beam side	8	1.50				0.300	3.60	
Beam side	8	1.45				0.300	3.48	
Beam side	8	1.50				0.300	3.60	
Beam side	8	1.45				0.300	3.48	
Third Floor								
Flooring	4	1.450				1.600	9.28	
Beam side	8	1.450				0.300	3.48	
Beam side	8	1.600				0.300	3.84	
Beam side	8	1.450				0.300	3.48	
Beam side	8.0	1.200				0.300	2.88	
Flooring	4	1.20				1.450	6.96	
Flooring-General	4	1.50				1.450	8.70	
Flooring-General	4	1.50				1.450	8.70	
Beam side	8	1.50				0.300	3.60	
Beam side	8	1.45				0.300	3.48	
Beam side	8	1.50				0.300	3.60	

ಸಹಾಯಕ ಶಾಖಾ ಕಾರ್ಯದರ್ಶಿ (ಮೇಲ್ಮನೆ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ರಾಜಾಜೀಶ್ವರಿ ನಗರ ವಲಯ

8

1.45

Total Qty Work Done

3.48

Total Qty Work Done

122.96

Sqm

Qty Limited Payable in this bill

121.00

Sqm

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)Asst. Executive Engineer
RR Nagara Division (Project)

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

Second and Part Bill

Item No:	126	Second and Part Bill							
Item Name:	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be thoroughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures,labour charges and HOM of machinery complete as per First Floor								
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMA RKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
	First Floor							0.00	
	Ventilators	18.00	1.80					10.44	Sqm
Total Qty Work Done								10.44	Sqm
Qty Payable in this bill								19.44	Sqm

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst.Executive Engineer
RR Nagara Division (Project)

50 38.90

(309)

BRUHAT BANGALORE MAHANAGARA PALIKE
Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

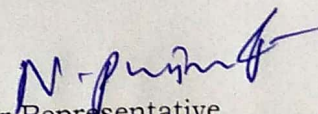
Measurement Sheet
Second and Part Bill

Item No: **127**

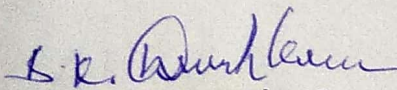
Item Name:

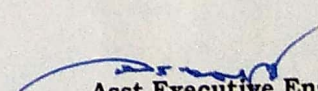
KSRB 7.11 : Providing and fixing in position Aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mm x 18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws,raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.Second Floor

CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMA
Land Mark		(m)	(m)	(m)	(m)	(m)		RKS
Second Floor								
W1	33	2.00				1.50	99.00	
W2	1	1.50				1.50	2.25	
Ventilators	10	0.90				0.75	6.75	
Total Qty Work Done							108.00	Sqm
Qty Payable in this bill							108.00	Sqm


Contractor Representative


Consultant Representative


Assistant Engineer
RR Nagara Division (Project)


Asst.Executive Engineer
RR Nagara Division (Project)

BRUHAT BANGALORE MAHANAGARA PALIKE 308

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet
Second and Part Bill

Item No: **128**

Item Name:

KSRB 7.11 : Providing and fixing in position Aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m. shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mm x 18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.Third Floor

CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMA
Land Mark		(m)	(m)	(m)	(m)	(m)		RKS
Third Floor								
W1	33	2.00				1.50	99.00	
W2	1	1.50				1.50	2.25	
Ventilators	10	0.90						
Total Qty Work Done							108.00	Sqm
Qty Payable in this bill							108.00	Sqm

N. Prasad
Contractor Representative

[Signature]
Consultant Representative

[Signature]
Assistant Engineer
RR Nagara Division (Project)

[Signature]
Asst.Executive Engineer
RR Nagara Division (Project)

SB 113

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

Second and Part Bill

Item No:	129	Second and Part Bill							
Item Name:	Providing and fixing in position Aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mm x 18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws,raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.Terrece Floor								
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMA RKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
	Terrace Floor	1.00	1.50				1.50	2.25	
	W2								
Total Qty Work Done									2.25 Sgm
Qty Payable in this bill									2.25 Sgm

[Signature]
Contractor Representative

[Signature]
Consultant Representative

[Signature]
Assistant Engineer
RR Nagara Division (Project)

[Signature]
Asst.Executive Engineer
RR Nagara Division (Project)

366

BRUHAT BANGALORE MAHANAGARA PALIKE
Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

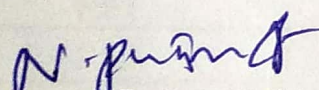
Measurement Sheet
Second and Part Bill

Item No: **130**

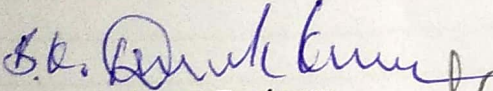
Item Name:

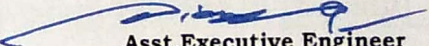
Providing and fixing M.S.grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (Considered 18 Kg/sqm) All Floors

CHAINAGE Land Mark	NO	L	B	B1	Avg B	D	QTY	REMA RKS
		(m)	(m)	(m)	(m)	(m)		
All Floors - Considering 18 kg/sqm								
Second Floor	1.00	108.00				18.00	1944.00	
Third Floor	1.00	108.00				18.00	1944.00	
Total Qty Work Done							3888.00	Sqm
Qty Payable in this Bill							3888.00	Sqm


Contractor Representative


Consultant Representative


Assistant Engineer
RR Nagara Division (Project)


Asst.Executive Engineer
RR Nagara Division (Project)

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

Second and Part Bill

Item No: **136**

Item Name:

Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m - Ground Floor

CHAINAGE	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMA RKS
Land Mark								
Ground Floor	1	3.00			2.55		7.65	
RS1	2.00	4.70				2.55	23.97	
RS2	31.00	2.90				2.55	229.25	
RS3	2.00	2.80				2.55	14.28	
RS5	1.00	2.40				2.55	6.12	
Total Qty Work Done							281.27	Sqm
Last Bill Qty							7.65	Sqm
Qty Reserved							26.71	
Qty Limited Payable in this bill							254.55	Sqm

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst. Executive Engineer
RR Nagara Division (Project)

(304)

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet
Second and Part Bill

Item No: **137**

Item Name: Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m
Specification No. KBS 7.10 / 7.12 First Floor

CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMA RKS
Land Mark		(m)	(m)	(m)	(m)	(m)		
First Floor								
RS2	47	2.90				3.15	429.35	
RS3	3	2.80				3.15	26.46	
RS4	1	2.50				3.15	7.88	
RS5	1	2.40				3.15	7.56	
Total Qty Work Done							455.81	Sqm
Qty Payable in this bill							455.81	Sqm

N. Kumar
Contractor Representative


Consultant Representative

B. L. Kumar
Assistant Engineer
RR Nagara Division (Project)

[Signature]
Asst. Executive Engineer
RR Nagara Division (Project)

303

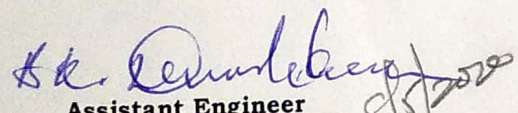
BRUHAT BANGALORE MAHANAGARA PALIKE
Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet
Second and Part Bill

Item No:	164	Second and Part Bill							
Item Name:	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary a) 19mm dia 2mm thick								
	CHAINAGE	NO	L	B	B1	Avg B	D	QTY	REMA RKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
	19mm Dia	1	10.00					10.00	
Total Qty Work Done								10.00	Sqm
Last Bill Qty								2000.00	Sqm
Qty Reserved								10.00	
Qty Limited Payable in this bill								0.00	Sqm


Contractor Representative


Consultant Representative


Assistant Engineer
RR Nagara Division (Project)


Asst.Executive Engineer
RR Nagara Division (Project)